1/8

30 AAAGCACAGACTTCAGGTCTCCAAGGAGGATGGGTGGCTGCAGCACAAGAGGGCAAGCGGC MGGCSTRGKRP 90 CGTCAGCCCTCAGT<u>CTGCTGCTGCTGCTC</u>TCGGGGATCGCAGCCTCTGCCCTCC 150 170 CCCTGGAGAGCGGTCCCACCGGCCAGGACAGTGTGCAGGATGCCACAGGCGGGAGGAGGA LESGPTGQDSVQDATGGRRT 190 210 CCGGCCTTCTGACTTCCTTGCCTGGTGGCATGAGTGGGCTTCCCAAGACAGCTCCAGCA G L L T F L A W W H E W A S Q D S 250 270 290 CCGCTTTCGAAGGGGGTACCCCGGAGCTGTCTAAGCGGCAGGAAAGACCACCCCTCCAGC AFEGGTPELS 310 330 AGCCCCCACACCGGGATAAAAAGCCCTGCAAGAACTTCTTCTGGAAAACCTTCTCCTCGT PPHRDIKK PCKNFFWKTFSSC 390 410 GCAAGTAGCCCGAGCCTGACCGGAGCCTGACCGGCCACCCTGTGAATGCAGCCGTGGCCT K 430 GAATAAAGAGTGTCAAGT

## FIGURE 1

CST 10 RPSALSLLLLLLSGIAASALPLESGPTGQDSVQDATGGRRTGLLTFLAW 59 SST 7 QCALAALCIVLALGGVTGAPSDPRLRQFLQKSLAAATGKQELAKYFLAEL 56 CST 60 WHEWASQDSSSTAFEGGTPELSKRQERPPLQQ......PPHRDKRPCK 101 :1: 1 .11 SST 57 LSEPNQTENDALEPEDLECAAEQDEMRLELQRSANSNPAMAPRERKAGCK 106 CST 102 NFFWKTFSSCK 1111111111. SST 107 NEFWKTFTSC

GCA	CGAG	GCT	CAGCA	ACGT(	CC G								ACA Thr				51
	Trp		TCA Ser								Trp				GCC Ala 25	<b>↑</b>	99
										Gly					CAG Gln	,	147
GAA Glu	GCC Ala	ACC Thr	GAG Glu 45	GGG Gly	AGG Arg	AGC Ser	GGC Gly	CTT Leu 50	Leu	ACT Thr	TTC Phe	CTT Leu	GCC Ala 55	Trp	TGG		195
			Ala										Gly		GGT Gly		243
												Pro			CCC		291
											Phe				Phe	· -	339
			AAG Lys		ccc	CAC	CCT	GGG	CAT		ACC	CTG	GCC	ACC 120			387
TGA	GAT	GCC	AAC	GAG	ACC	TGA	ATA	_		GIC	AAT	CAA	С				427
			. 125					130									

FIGURE 3

MOUSE CST RAT CT HUMAN CST		GCACGAG .AAAGCACAG CAAACATTGA	ACTTCAGGTC	TCCGAGGATG TCCAAGGAGG GCCAGGAAGG	ATGGGTGGCT
MOUSE CST RAT CST HUMAN CST	GCAGCACAAG	AGGCAAGTGG AGGCAAGCGG AGAGAAGCTC	CCGTCAG		CCCTC
MOUSE CST RAT CST HUMAN CST	GGAGTCTGCTGC GGCCTCCTGC	.GCTGCTGCT TGCTGCTGCT TGCTGCTGCT	GCTCTGGGGG GCTCTCGGGG CTCCGGGGCC	GTCGCAGCCT ATCGCAGCCT ACGGCCACCG	CCGCCCTTCC CTGCCCTCCC CTGCCCTGCC
MOUSE CST RAT CST HUMAN CST	CCTGGAGAGT CCTGGAGAGC CCTGGAGGGT		GCCAGGACAG	TGTG TGTG CGAGCATATG	CAGGATGCCA
MOUSE CST RAT CST HUMAN CST		GAGGAGCGGC GAGGACCGGC GAAAAGCAGC	CTTCTGACTT	TCCTTGCCTG	GTGGCACGAG GTGGCATGAG GTGGTTTGAG
MOUSE CST RAT CST HUMAN CST	TGGGCTTCCC	AAGCCAGCTC AAGACAGCTC AGGCCAGTGC	CAGCACCGCT	TTCGAAGGGG	GTACCCCGGA
MOUSE CST RAT CST HUMAN CST	GCTGTCTAAG	AGCCAGGAAA CGGCAGGAAA CGGCAGGAAG	GACCACCCCT	CCAGCAGCCC	CCACACCGGG
MOUSE CST RAT CST HUMAN CST	ATAAAAAGCC	CTGCAAGAAC CTGCAAGAAC CTGCAGGAAC	TTCTTCTGGA	AAACCTTCTC	CTCGTGCAAG
MOUSE CST RAT CST HUMAN CST	TAGCCCGAGC	CTGGGCATAG CTGACCGGAG CCCATGAATG	CCTGACCGGC	CACCCTGTGA	ATGCAGCCGT
MOUSE CST RAT CST HUMAN CST	GGCCTGAATA	AAGACTGTCA AAGAGTGTCA AAATGTATTA	AGT		
MOUSE CST RAT CST HUMAN CST		AAAAGTGTTT			
MOUSE CST RAT CST HUMAN CST		GAGTAATTTG			
MOUSE CST RAT CST HUMAN CST		GGTTCGACTG			
MOUSE CST RAT CST HUMAN CST		TCATTATGGT			<del>-</del>
MOUSE CST RAT CST HUMAN CST	AAATAGCTAA				

	1				50
RAT CST	.MGGCSTRGK	RPSALSLLLL	LLLSGIAASA	LPLESGPTGQ	DSVQDATG
MOUSE CST	MMGGRGTGGK	WPSAFGLLLL	WGVAASA	LPLESGPTGQ	DSVQEATE
HUMAN CST				LPLEGGPTGR	
Consensus		-PLLLL	AA	LPLE-GPTG-	DSQ-A
	51				100
RAT CST	GRRTGLLTFL	AWWHEWASQD	SSSTAFEGGT	pels <b>kr</b> qerp	PLQQPPHRD <b>K</b>
MOUSE CST	G.RSGLLTFL	AWWHEWASQA	SSSTPVGGGT	PGLSKSQERP	PPQQPPHLD <b>K</b>
HUMAN CST	IRKSSLLTFL	AWWFEWTSQA	SAGPLIGEEA	REVARRQEGA	PPQQSARRDR
Consensus	LLTFL	AWW-EW-SQ-	S	QE	P-QQD-
	101	116			
RAT CST	KPCKNFFWKT	FSSCK			
MOUSE CST	KPCKNFFWKT	FSSCK			
HUMAN CST	MPCRNFFWKT	FSSCK			
Consensus	-PC-NFFWKT	FSSCK			

FIGURE 3b

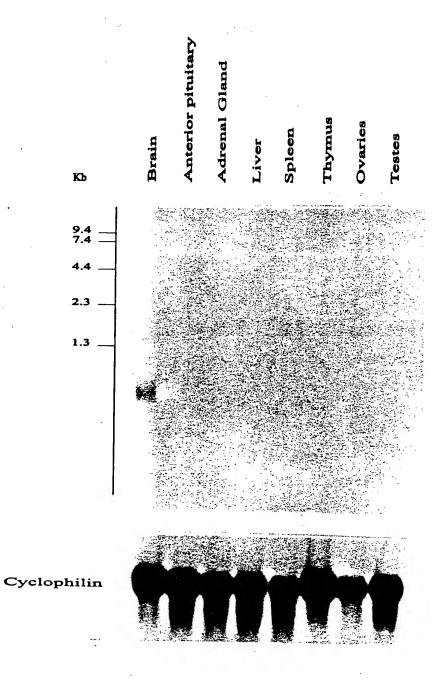
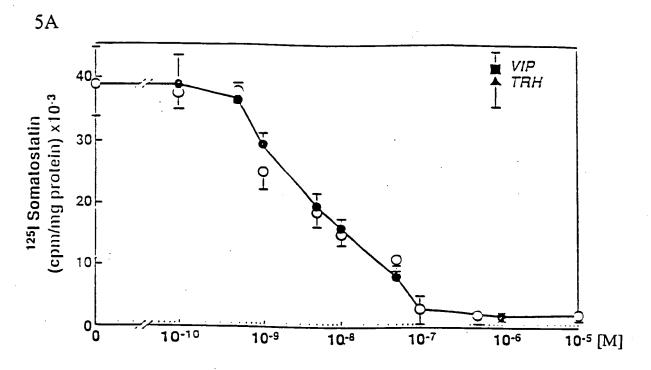


FIGURE 4



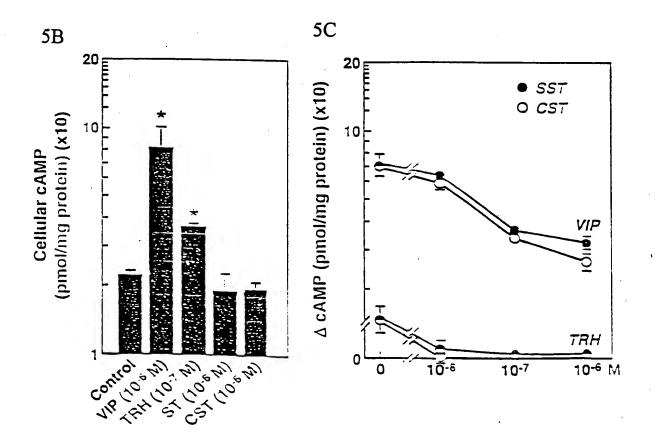
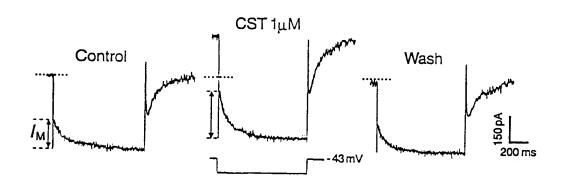


FIGURE 5

6A



6B



6C

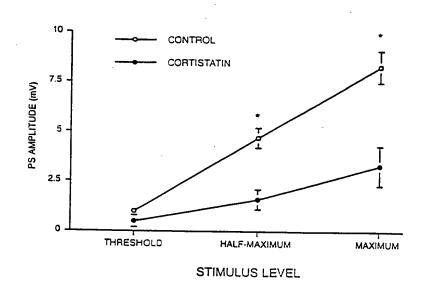


FIGURE 6

